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JHRP-78-20

TRAFFIC SPEED REPORT NO. 106

J. R. Mekemson
G. K. Stafford

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TRAFFIC SPEED REPORT NO. 106

TO: Harold L. Michael, Director
Joint Highway Research Project

October 3, 1978

File: 8-3-3

FROM: James Mekemson
Graduate Research Assistant
Joint Highway Research Project

Project: C-36-10C

The attached Progress Report No. 106 on Traffic Speeds is the report of the July-September 1978 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. J. R. Mekemson, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data collection was directed by Mr. G. K. Stafford of our staff.

The results indicate that the average speed of passenger cars was 0.8 mph less while that of heavy trucks was 0.6 mph less than the respective average speeds for the preceding quarterly period.

This Report also serves as the annual study of traffic speeds which have been made during the summer months by JHRP for the last 30+ years. A comparison of the average speeds found in these annual studies for the past ten years is also included.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment and acceptance as partial fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,

James Mekemson

James Mekemson
Graduate Research Assistant

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Conducted in cooperation with the U.S. Department of Transportation, Federal Highway Administration. Planning Study titled "Speed Trends for Indiana Highways".

16. Abstract

This report is another in the continuing study of speeds of vehicles on Indiana highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the July-September 1978 quarter.

Analysis of the speeds showed the overall average speed for all vehicles was 57.2 mph. The overall average speed for passenger cars and all trucks was 57.6 mph and 56.8 mph respectively. These overall average speeds were 0.8 mph less for passenger cars and 0.8 mph less for trucks than speeds found in the April-June 1978 study (Speed Report No. 105).

This report is also the 1978 annual speed study of JHRP and is compared with similar studies made during the summer months for the last ten years. A very small increase in speeds was noted for two-lane highways while a very small decrease was evident on all other types of highways. Speeds of passenger cars, however, are significantly less on all classes of highway than speeds during the pre-55 mph limit years. On the other hand, speeds of heavy trucks in 1978 are almost the same as speeds of heavy trucks during the pre-55 mph limit years of 1968-1973.

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Interim Report

TRAFFIC SPEED REPORT NO. 106

by

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and

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Joint Highway Research Project

Project No.: C-36-10C

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Prepared as Part of an Investigation

Conducted by

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Engineering Experiment Station
Purdue University

in cooperation with the

Indiana State Highway Commission

and the

U. S. Department of Transportation
Federal Highway Administration

The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Federal Highway Administration.

Purdue University
West Lafayette, Indiana
October 3, 1978

TRAFFIC SPEED REPORT NO. 106

This report is an analysis of spot speed observations made between July and September 1978. All observations were of free flowing vehicles on level, tangent sections of rural and urban highways under favorable conditions. All observations were made during daylight except for three stations, one each on the three rural classifications.

The speed monitoring stations for each highway classification were divided into two groups. The first group is identified as "control stations" and studied from the same locations on selected Federal and State highways as used in previous studies. The "primary control stations" are used in each quarterly study. The "secondary control stations" are included only in the annual studies. The second group is selected at random for each quarterly study.

Twenty-eight speed monitoring stations were used for this reported study. Seven of these stations were the primary control stations and seven were secondary control stations noted above. The other fourteen stations were selected at random for this quarterly study.

Stations were classified as rural two-lane, four-lane, or interstate, or urban interstate highways. A representative sample of spot speeds was obtained at each station in each classification. The site locations follow and are also shown in Figure A.

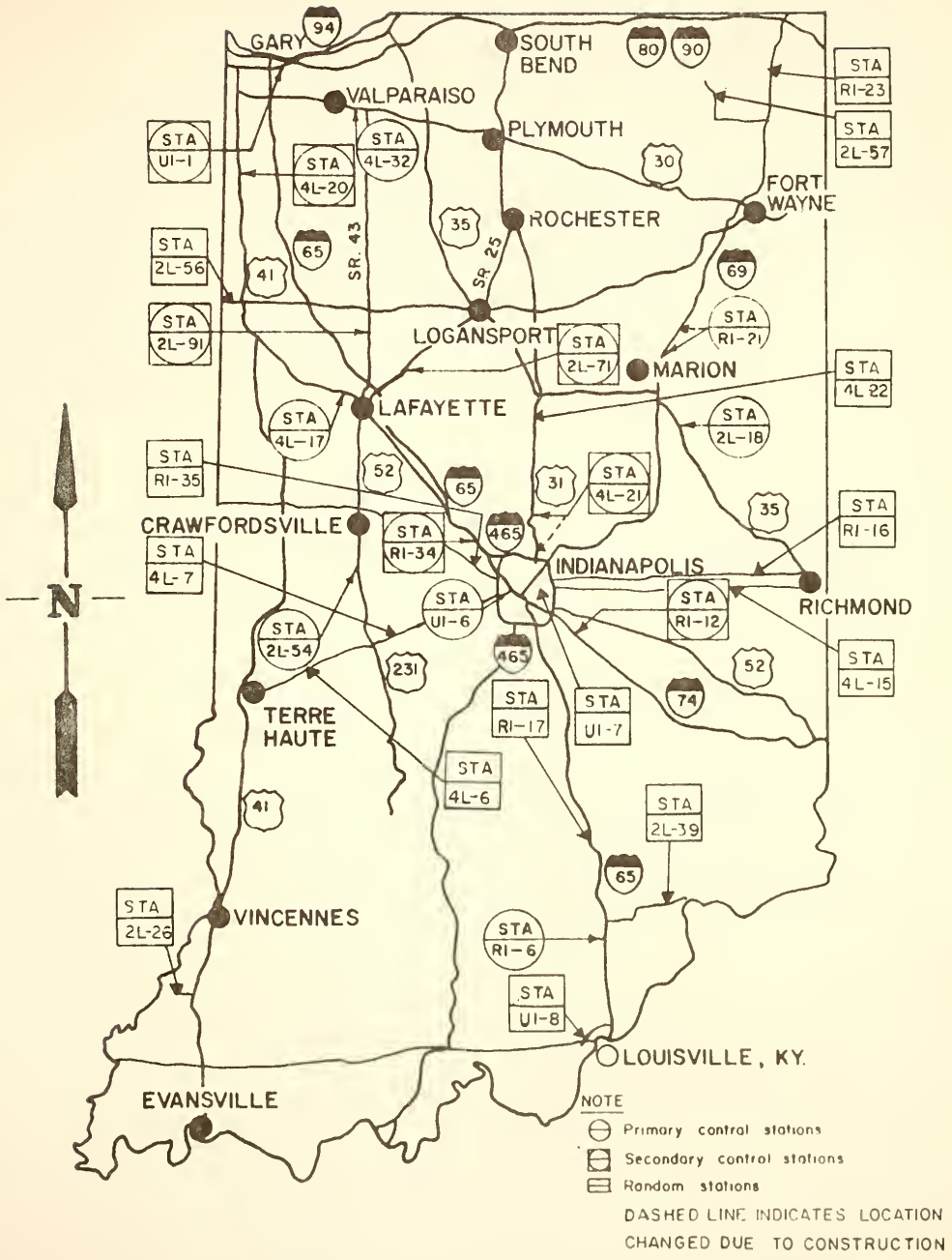

FIGURE A. LOCATION OF SPEED-STUDY STATIONS

Rural Interstate Highways

*RI-21 (I-69)	First bridge south of junction with S.R. 18 [Had to move location due to construction. Location taken was 3.4 miles north of S.R. 18 and near 68 mile marker.]
*RI-6 (I-65)	7.5 miles north of junction with S.R. 160 at rest park
**RI-34 (I-65)	South of Lebanon: Northbound at Co. Rd. 300S, Southbound at first bridge south of S.R. 39
**RI-12 (I-74)	0.1 mile west of mile marker 109
RI-7 (I-65)	9.7 miles south of U.S. 50
RI-16 (I-70)	13.9 miles west of U.S. 27
RI-24 (I-69)	2.4 miles north of S.R. 4
RI-35 (I-74)	1.55 miles west of S.R. 268

Four-Lane Highways

*4L-32 (U.S. 30)	Eastbound at 3.7 miles east of Co. Rd. 400E, Westbound at 1.2 miles west of Co. Rd. 400E,
*4L-17 (U.S. 52)	Eastbound at 30 yds. east of Co. Rd. 475W, Westbound at 0.25 mile east of Co. Rd. 475W
**4L-21 (U.S. 31)	1.2 miles south of S. R. 38 [Had to move location due to construction. Location taken was 2.8 miles south of U.S. 431 north of Carmel.
**4L-20 (U.S. 41)	1.0 mile north of S.R. 2
4L-6 (U.S. 40)	1.75 miles west of Brazil city limit sign.
4L-7 (U.S. 40)	5.35 miles east of U.S. 231
4L-15 (U.S. 40)	1.35 miles west of Dublin city limit sign.
4L-22 (U.S. 31)	2.8 miles south of S.R. 26

Two-Lane Highways

*2L-18 (U.S. 35)	1.5 miles east of Interstate 69
*2L-54 (U.S. 231)	1.0 mile south of junction with S.R. 234
**2L-91 (S.R. 43)	2 miles south of Chalmers
**2L-79 (S.R. 25)	0.7 mile south of Americus
2L-26 (S.R. 64)	1.75 miles west of U.S. 41
2L-39 (S.R. 56)	0.4 mile west of Hanover
2L-56 (U.S. 24)	1 mile west of Kentland city limit sign
2L-57 (S.R. 3)	2.85 miles south of U.S. 6

*Primary control stations
**Secondary control stations

Urban Interstate Highways

*UI-6 (I-65)	East of White River Bridge [Had to move westbound station because of construction. Location taken was 0.7 miles west of Grant Street interchange.]
**UI-1 (I-94)	First bridge east of Burr interchange.
UI-7 (I-70)	1.5 miles east of Keystone Avenue, Indianapolis
UI-8 (I-265)	5.6 miles southwest of I65

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5000 lbs. gross weight) or Heavy (equal to or more than 5000 lbs. gross weight) Trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The maximum speed limit in Indiana is 55 miles per hour, both on Interstate and other rural highways.

---

*Primary control stations
**Secondary control stations

Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was located in a van type vehicle parked as a disabled vehicle on the right shoulder or as a normally parked vehicle in an access driveway to the road. The van was equipped with one-way vision windows on the side facing traffic and the rear window was shutterred so that approaching vehicles could not observe the speed measurement process. The observers were also equipped with CB radio equipment so as to monitor possible radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for a least a following 15 minute period. Such periods rarely occurred on other than interstate roads where they occurred frequently.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than 10^{o}. No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

RESULTS OF ANALYSIS

The data collected were analyzed and are summarized in Tables 1 to 28 in the Appendix. Tables 29, 30, 31 and 32 summarize the data for rural interstate, four-lane, two-lane and urban interstate highways, respectively. Table 33 is the summary for all highways. Tables 34 through 62 are summaries in a FHWA format which that organization requires.

The average speed for each classification of vehicles on each type of highway for this study was as follows:

	Interstate		Other Four Lane	Two Lane
	Urban	Rural	Rural	Rural
Passenger Cars:				
Indiana	58.0	58.5	56.9	56.4
Non-Indiana	57.9	60.1	57.5	56.2
All Passenger Cars	58.0	59.2	56.9	56.4
85 Percentile (all)	62.1	63.1	61.6	61.0
Trucks:				
Less than 5000 lbs.	56.5	58.2	55.4	55.0
5000 lbs. or more	56.8	59.4	56.2	55.5
All Vehicles:				
Average	57.4	59.0	56.5	55.9
85 Percentile	61.5	63.3	61.4	60.7

The percent of vehicles exceeding the speed limit (55 mph) for each classification of vehicle and each type of highway was as follows:

	Interstate			
	Urban	Rural	Four Lane	Two Lane
Passenger Cars:				
Indiana	70.9	76.1	61.2	56.5
Non-Indiana	68.4	86.7	68.3	56.3
All Passenger Cars	70.4	80.7	62.1	56.5
Trucks:				
Less than 5000 lbs.	60.0	71.9	49.3	45.7
5000 lbs. or more	65.1	82.6	58.9	51.4
All Vehicles:	67.1	80.0	59.0	53.4

The percent of vehicles traveling more than 5 mph above the speed limit (exceeding 60 mph) for each case was as follows:

	Interstate		Other Four Lane	Two Lane
	Urban	Rural	Rural	Rural
Passenger Cars:				
Indiana	25.2	29.8	23.1	19.1
Non-Indiana	27.5	42.4	24.0	19.4
All Passenger Cars	25.6	35.3	23.2	19.1
Trucks:				
Less than 5000 lbs.	21.5	25.9	18.2	15.4
5000 lbs. or more	22.1	41.2	21.9	16.9
All Vehicles:	23.9	35.6	22.0	18.0

The percent of vehicles traveling more than 10 miles per hour above the speed limit (exceeding 65 mph) for each case was as follows:

	Interstate		Other Four Lane	Two Lane
	Urban	Rural	Rural	Rural
Passenger Cars:				
Indiana	7.4	5.8	6.0	6.2
Non-Indiana	7.8	10.1	3.3	4.6
All Passenger Cars	7.4	7.7	5.7	6.0
Trucks:				
Less than 5000 lbs.	2.7	6.9	4.5	5.1
5000 lbs. or more	2.3	8.8	5.7	2.9
All Vehicles:	5.1	7.9	5.4	5.2

Summary and Conclusions

Overall average speed for all vehicles and passenger cars in this July-September 1978 study were found to be 57.2 and 57.6 mph, respectively. These overall average speeds for all vehicles and passenger cars are respectively 0.9 and 0.8 mph below the results of the April-June 1978 study, and are 0.3 and 0.2 mph below the results of the July-September 1977 study.

Overall average speeds for all trucks and heavy trucks in this July-September 1978 study were found to be 56.8 and 57.3 mph, respectively. These overall average speeds for all trucks and heavy trucks are respectively 0.8 and 0.6 mph below the results of the April-June 1978 study, and differ by 0.2 and 0.1 mph, respectively, below the July-September 1977 study.

Table A presents a comparison of the overall speed results with that of the previous three studies. The table also shows that the 85th percentile speed of passenger cars decreased by 1.0 mph to 62.1 mph when compared to the April-June 1978 study and is 0.5 mph below the results of the July-September 1977 study.

A comparison of July-September 1978 speed data with that for other recent periods for several types of highway for passenger cars and trucks is shown in Tables B, C, D and E.

Tables B, C, D and E show in general that passenger car and truck average speeds have decreased slightly when compared to the April-June 1978 study results but are very similar to speeds of July-September 1977.

Table F further compares speed results for the rural highways and vehicle types over the past ten years. Compared with August 1977 results, the average speed of passenger cars in August 1978 has increased (0.5 mph) for the two-lane, decreased (0.3 mph) for the four-lane highways, and decreased (0.9 mph) for rural interstate highways. Truck average speeds, when compared with the August 1977 result, also increased (1.0 mph) for the two-lane, decreased (0.4 mph) for the four-lane highways and decreased (0.3 mph) for rural interstate.

Speeds were also measured at night at three (3) locations (Stations RI-16, 4L-22 and 2L-56), one on each of the rural highway classifications. The average speed at each of these three stations was very similar to the speeds on other stations of the same highway class where speed was measured during daylight hours. Station RI-16 was slightly lower than the other rural interstate stations while 4L-22 and 2L-56 were slightly higher than the other four-lane and two-lane stations respectively.

TABLE A

COMPARISON OF THE OVERALL SPEED RESULTS

	July-Sept. 1978	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977
Average				
All Passenger Cars	57.6	58.4	59.0	59.3
Heavy Trucks	57.3	57.9	57.8	58.2
All Trucks	56.8	57.6	57.6	58.1
85 Percentile				
All Passenger Cars	62.1	63.1	63.8	64.0
Heavy Trucks	62.2	62.7	62.9	63.4
All Trucks	61.7	62.7	62.8	63.3
15 Percentile				
Heavy Trucks	51.6	52.1	51.8	52.0

TABLE B

AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (URBAN)

	July-Sept. 1978	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977
Passenger Cars:				
Indiana	58.0	59.2	59.7	59.8
Non-Indiana	57.9	57.9	61.2	59.0
All Passenger Cars	58.0	59.1	59.9	59.7
85 Percentile (all)	62.1	62.9	63.9	63.8
Trucks:				
Less than 5000 lbs.	56.5	58.4	58.3	59.1
5000 lbs. or more	56.8	57.7	58.4	56.6

TABLE C

AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (RURAL)

	July-Sept. 1978	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977
Passenger Cars:				
Indiana	58.5	60.5	61.0	61.2
Non-Indiana	60.1	60.5	61.4	61.8
All Passenger Cars	59.2	60.5	61.1	61.5
85 Percentile (all)	63.1	64.9	65.9	66.1
Trucks:				
Less than 5000 lbs.	58.2	59.3	59.8	60.1
5000 lbs. or more	59.4	60.0	59.8	61.3

TABLE D

AVERAGE SPEEDS ON OTHER FOUR-LANE HIGHWAYS

	July-Sept. 1978	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977
Passenger Cars:				
Indiana	56.9	57.5	58.0	58.4
Non-Indiana	57.5	58.2	60.2	59.6
All Passenger Cars	56.9	57.6	58.2	58.6
85 Percentile (all)	61.6	62.2	62.7	62.9
Trucks:				
Less than 5000 lbs.	55.4	57.2	57.3	57.5
5000 lbs. or more	56.2	57.9	57.6	57.8

TABLE E

AVERAGE SPEEDS ON TWO-LANE HIGHWAYS

	July-Sept. 1978	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977
Passenger Cars:				
Indiana	56.4	56.5	57.2	57.7
Non-Indiana	56.2	57.5	58.9	58.4
All Passenger Cars	56.4	56.8	57.3	57.8
85 Percentile (all)	61.0	61.6	62.3	63.0
Trucks:				
Less than 5000 lbs.	55.0	55.3	55.5	56.7
5000 lbs. or more	55.5	54.9	54.4	54.7

TABLE F

SUMMARY OF SPOT SPEED OBSERVATION ON RURAL INDIANA HIGHWAYS

(Free-moving Vehicles on Level, Tangent Sections)

		Passenger Cars				Trucks		
		Ind. Mean	Non-Ind. Mean	All Mean	All 85%	Light Mean	Heavy Mean	All Mean
Two-Lane Highways								
July	'69	64.7	64.6	64.7	71.9	60.5	55.9	57.9
July	'70	62.3	62.8	62.3	68.9	59.0	54.8	56.7
July	'71	61.4	60.9	61.3	68.0	58.0	54.0	55.6
June	'72	62.0	62.4	62.0	68.7	53.3	55.6	56.7
Aug.	'73	62.1	61.4	62.1	68.7	58.7	56.4	57.3
Aug.	'74	56.8	55.9	56.7	61.8	55.3	54.5	54.8
Aug.	'75	57.2	57.4	57.8	62.5	57.5	56.2	56.9
Aug.	'76	56.4	57.8	56.6	61.5	55.6	55.4	55.5
Aug.	'77	55.9	55.9	55.9	60.9	54.9	53.5	54.2
Aug.	'78	56.4	56.2	56.4	61.0	55.0	55.5	55.2
Four-Lane Highways								
July	'69	67.7	68.3	67.9	74.6	64.0	58.0	59.6
July	'70	64.6	64.3	64.5	70.6	59.7	55.0	54.2
July	'71	64.3	65.4	64.7	70.7	59.8	56.4	57.4
June	'72	64.3	64.3	64.3	70.9	59.4	55.2	57.1
Aug.	'73	64.0	63.7	63.9	70.9	60.8	57.8	59.1
Aug.	'74	58.0	57.9	58.0	63.1	56.8	54.4	55.3
Aug.	'75	57.6	58.1	57.7	62.0	56.4	55.9	56.1
Aug.	'76	57.2	57.8	57.3	61.8	56.9	56.6	56.8
Aug.	'77	57.0	58.1	57.2	62.0	55.7	56.6	56.2
Aug.	'78	56.9	57.5	56.9	61.6	55.4	56.2	55.8
Interstate Highways (Rural)								
July	'69	70.2	71.2	70.6	76.6	65.3	59.9	61.4
July	'70	69.1	69.2	69.2	74.6	63.8	59.6	60.5
July	'71	68.3	68.7	68.5	73.7	64.8	59.4	60.8
June	'72	69.1	69.6	69.3	74.4	63.7	60.9	61.8
Aug.	'73	69.3	70.1	69.6	74.8	64.1	61.6	62.3
Aug.	'74	58.3	59.3	58.7	62.6	56.7	56.4	56.5
Aug.	'75	59.7	60.2	59.9	64.2	58.2	59.3	58.9
Aug.	'76	59.5	60.2	59.8	64.3	58.5	58.4	58.4
Aug.	'77	60.1	60.1	60.1	64.5	58.4	59.7	59.3
Aug.	'78	58.5	60.1	59.2	63.1	58.2	59.4	59.0
All Rural Highways								
July	'69	67.3	68.8	67.9		62.7	57.9	59.5
July	'70	65.1	66.3	65.5		60.3	56.4	57.5
July	'71	64.3	66.2	64.9		60.3	56.8	57.9
June	'72	64.8	66.9	65.2		60.1	57.6	58.6
Aug.	'73	64.7	67.1	65.2		60.9	58.8	59.6
Aug.	'74	57.6	58.4	57.8		56.2	55.1	55.6
Aug.	'75	58.5	59.5	58.7		57.5	57.4	57.4
Aug.	'76	57.5	59.1	58.0		56.9	57.1	57.0
Aug.	'77	57.2	59.1	57.6		56.1	57.2	56.8
Aug.	'78	57.1	58.7	57.5		56.0	57.4	56.8

TABLE 1 SPEED DATA

STATION RI-6 HIGHWAY I-65 LOCATION 7.5 miles north of SR 160

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION
DATE 8-22-78
TIME 2:46-3:26 NB
3:35-4:20 SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 6-6-78
TIME 11:33 AM - 12:22 PM NB
10:27 - 11:03 AM SB

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	246	258	134	102	112	156	184	191	57	76	127	115
AVE. SPEED (MPH)	60.70	59.40	60.70	58.30	60.90	60.12	60.10	59.66	59.80	59.61	60.20	59.70
STANDARD DEVIATION	5.400	4.391	5.210	4.344	5.640	4.286	4.680	4.467	5.460	4.994	4.300	4.104
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	1.2	.4	1.5	1.0	.9	0	1.1	1.6	1.8	0	.8	2.6
54 MPH	9.4	11.2	9.7	15.7	8.9	8.3	10.3	11.0	14.0	13.2	8.7	9.6
59 MPH	45.1	54.7	42.5	67.6	48.2	46.2	44.6	50.3	56.1	51.3	39.4	49.6
64 MPH	80.1	88.0	79.8	91.2	80.4	85.9	85.3	88.5	82.5	86.8	86.6	89.6
69 MPH	94.3	97.3	95.5	98.0	92.9	96.8	97.3	97.4	94.7	94.7	98.4	99.1
74 MPH	98.4	99.2	97.8	99.0	99.1	99.4	100.0	99.0	100.0	97.4	100.0	100.0
79 MPH	99.6	100.0	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	99.6	100.0	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	131	129	71	62	60	67	84	86	25	38	59	48
AVERAGE SPEED	59.40	58.98	59.30	58.05	59.50	59.84	58.60	59.65	57.40	60.13	59.10	59.27
DIRECTION SB												
NUMBER OF VEHICLES	115	129	63	40	52	89	100	105	32	38	68	67
AVERAGE SPEED	62.30	59.83	62.20	58.70	62.50	60.34	61.30	59.68	61.60	59.08	61.20	60.01

TABLE 2 SPEED DATA

STATION RI-21 HIGHWAY I-69 LOCATION 3.4 miles north of S.R. 18*

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION
DATE 8-14-78
TIME 1:25 - 2:12 PM NB
2:30-3:13 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 6-8-78
TIME 2:05-2:50 PM NB
3:30-4:13 PM SB

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	263	291	178	133	85	158	174	181	48	74	126	107
AVE. SPEED (MPH)	60.20	59.98	60.00	59.29	60.60	60.56	59.70	59.62	58.60	57.96	60.10	60.77
STANDARD DEVIATION	4.760	4.367	4.560	4.097	5.170	4.512	5.350	4.744	6.090	4.396	5.020	4.653
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	.4	1.0	.6	.8	0	1.3	2.9	2.2	4.2	4.1	2.4	.9
54 MPH	8.0	8.9	9.0	11.3	5.9	7.0	15.5	13.3	25.0	20.3	11.9	8.4
59 MPH	49.8	46.7	51.7	54.1	45.9	40.5	50.6	49.7	62.5	66.2	46.0	38.3
64 MPH	85.9	85.2	86.0	89.5	85.9	81.6	83.9	86.7	89.6	94.6	81.8	81.3
69 MPH	95.4	98.6	96.6	99.2	92.9	98.1	95.4	98.9	93.8	100.0	96.0	98.1
74 MPH	98.5	100.0	99.4	100.0	96.5	100.0	99.4	99.4	97.9	100.0	100.0	99.1
79 MPH	99.6	100.0	100.0	100.0	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	128	154	86	66	42	88	91	94	24	44	67	50
AVERAGE SPEED	60.30	60.04	60.30	58.92	60.10	60.88	60.80	58.89	59.20	58.00	61.30	59.68
DIRECTION SB												
NUMBER OF VEHICLES	135	137	92	67	43	70	83	87	24	30	59	57
AVERAGE SPEED	60.10	59.91	59.60	59.64	61.00	60.17	58.50	60.40	58.10	57.90	58.60	61.72

*Speed study station moved to this location due to construction at regular location.

TABLE 3 SPEED DATA

STATION RI-12 HIGHWAY I-74 LOCATION .1 mile west of mile marker 109

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Fair

THIS OBSERVATION
DATE 8-31-78
TIME 11:08-12:24 EB
12:30-1:30 WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 8-26-76
TIME 11:15 AM - 1:25 PM

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	273	281	158	195	115	86	158	156	42	66	116	90
AVE. SPEED (MPH)	59.30	59.54	58.70	59.10	60.20	60.55	58.80	59.72	58.50	59.44	58.90	59.93
STANDARD DEVIATION	4.986	4.561	4.988	4.375	4.882	4.835	4.536	4.566	5.047	4.974	4.357	4.258
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	1.8	.7	1.9	1.0	1.7	0	3.8	0	7.1	0	2.6	0
54 MPH	13.9	11.7	17.7	13.3	8.7	8.1	15.8	10.9	16.7	13.6	15.5	8.9
59 MPH	54.6	50.9	60.8	54.9	46.1	41.9	52.5	55.1	61.9	60.6	49.1	51.1
64 MPH	84.6	89.3	86.1	92.3	82.6	82.6	92.4	82.1	88.1	81.8	94.0	82.2
69 MPH	96.3	96.1	96.2	97.4	96.5	93.0	100.0	98.1	100.0	97.0	100.0	98.9
74 MPH	99.3	98.9	99.4	99.0	99.1	98.8	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	134	138	82	99	52	39	82	74	20	32	62	42
AVERAGE SPEED	59.80	59.79	59.70	59.44	60.00	60.67	59.20	59.69	58.50	59.03	59.50	60.19
DIRECTION WB												
NUMBER OF VEHICLES	139	143	76	96	63	47	76	82	22	34	54	48
AVERAGE SPEED	58.90	59.31	57.60	58.75	60.30	60.45	58.30	59.76	58.60	59.82	58.20	59.71

TABLE 4 SPEED DATA

STATION RI-34 HIGHWAY I-65 LOCATION 2.5 miles south of 1st bridge south of SR 39

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION
DATE 9-11-78
TIME 1:36-2:32 NB
2:44-3:53 SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 7-28-77
TIME 10:28-11:00 AM
1:26-11:58 AM

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	269	315	173	174	96	141	159	141	50	58	109	83
AVE. SPEED (MPH)	60.80	59.97	60.40	59.83	61.50	60.13	60.70	58.65	61.20	58.33	60.40	58.87
STANDARD DEVIATION	4.353	4.240	4.267	4.106	4.437	4.408	4.812	4.747	3.842	4.135	5.195	5.144
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	.7	0	0	0	1.2
PERCENT 44 MPH	0	.3	0	0	0	.7	0	.7	0	0	0	1.2
OF 49 MPH	0	1.0	0	1.1	0	.7	1.3	2.8	0	0	1.8	4.8
VEHICLES 54 MPH	5.6	7.0	6.4	7.5	4.2	6.4	7.6	14.9	2.0	19.0	10.1	12.0
TRAVELING 59 MPH	43.1	46.3	46.8	46.0	36.5	46.8	45.9	57.4	38.0	63.8	49.5	53.0
AT OR 64 MPH	81.0	87.6	83.2	87.4	77.1	87.9	80.5	90.1	84.0	93.1	78.9	88.0
LESS THAN 69 MPH	95.9	97.5	95.4	98.3	96.9	96.5	96.9	98.6	98.0	98.3	96.3	98.8
74 MPH	99.3	99.7	100.0	100.0	97.9	99.3	98.7	100.0	100.0	100.0	98.2	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	142	150	93	81	49	69	76	83	22	30	54	53
AVERAGE SPEED	61.80	60.03	61.30	60.10	62.70	59.94	61.80	58.34	62.50	58.43	61.50	58.28
DIRECTION SB												
NUMBER OF VEHICLES	127	165	80	93	47	72	83	58	28	23	55	30
AVERAGE SPEED	59.60	59.91	59.30	59.59	60.20	60.32	59.60	59.09	60.20	58.21	59.30	59.90

TABLE 5 SPEED DATA

STATION RI-7 HIGHWAY I-65 LOCATION 9.7 miles south of US 50

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION
DATE 8-22-78
TIME 12:47-1:21 NB
11:48-12:31 SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	219	0	98	0	121	0	223	0	59	0	164
AVE. SPEED (MPH)	0	59.57	0	58.40	0	60.52	0	60.48	0	58.54	0	61.18
STANDARD DEVIATION	0	4.420	0	3.663	0	4.756	0	4.789	0	5.022	0	4.518
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0	1.3	0	1.7	0	1.2
54 MPH	0	10.5	0	12.2	0	9.1	0	9.4	0	20.3	0	5.5
59 MPH	0	51.1	0	61.2	0	43.0	0	43.9	0	67.8	0	35.4
64 MPH	0	87.7	0	95.9	0	81.0	0	77.6	0	84.7	0	75.0
69 MPH	0	96.3	0	100.0	0	94.2	0	97.8	0	98.3	0	97.6
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION SB												
NUMBER OF VEHICLES	0	114	0	51	0	63	0	107	0	24	0	83
AVERAGE SPEED	0	59.85	0	58.73	0	60.76	0	60.92	0	58.67	0	61.57
DIRECTION NB												
NUMBER OF VEHICLES	0	105	0	47	0	58	0	116	0	35	0	81
AVERAGE SPEED	0	59.27	0	58.04	0	60.26	0	60.08	0	58.46	0	60.78

TABLE 6 SPEED DATA

STATION RI-16 HIGHWAY I-70 LOCATION 13.9 miles west of US 27

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Fair

THIS OBSERVATION
DATE 8-16-78
TIME 9:48-10:48 PM EB
8:25-9:41 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	179	0	179	0	0	0	255	0	35	0	220
AVE. SPEED (MPH)	0	57.34	0	57.34	0	0	0	58.15	0	56.00	0	58.50
STANDARD DEVIATION	0	4.890	0	4.890	0	0	0	4.443	0	4.087	0	4.410
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.6	0	.6	0	0	0	.4	0	0	0	.5
OF 49 MPH	0	5.0	0	5.0	0	0	0	3.1	0	5.7	0	2.7
VEHICLES 54 MPH	0	25.7	0	25.7	0	0	0	18.0	0	31.4	0	15.9
TRAVELING 59 MPH	0	69.3	0	69.3	0	0	0	61.2	0	80.0	0	58.2
AT OR 64 MPH	0	92.2	0	92.2	0	0	0	93.3	0	100.0	0	92.3
LESS THAN 69 MPH	0	99.4	0	99.4	0	0	0	100.0	0	100.0	0	100.0
74 MPH	0	99.4	0	99.4	0	0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.4	0	99.4	0	0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	86	0	86	0	0	0	130	0	14	0	116
AVERAGE SPEED	0	57.98	0	57.98	0	0	0	58.30	0	56.64	0	58.50
DIRECTION WB												
NUMBER OF VEHICLES	0	93	0	93	0	0	0	125	0	21	0	104
AVERAGE SPEED	0	56.75	0	56.75	0	0	0	58.00	0	55.57	0	58.49

TABLE 7 SPEED DATA

STATION RI-24 HIGHWAY I-69 LOCATION 2.4 miles north of SR 4

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Partly cloudy

THIS OBSERVATION
DATE 8-9-78
TIME 12:53-1:36 PM NB
1:46-2:30 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	303	0	166	0	137	0	179	0	81	0	98
AVE. SPEED (MPH)	0	58.45	0	58.08	0	58.89	0	57.47	0	56.80	0	58.02
STANDARD DEVIATION	0	4.197	0	4.487	0	3.784	0	5.349	0	4.662	0	5.822
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	.6	0	0	0	1.0
39 MPH	0	0	0	0	0	0	0	.6	0	0	0	1.0
44 MPH	0	0	0	0	0	0	0	1.7	0	0	0	3.1
49 MPH	0	1.0	0	1.2	0	.7	0	7.3	0	7.4	0	7.1
54 MPH	0	15.8	0	20.5	0	10.2	0	27.9	0	34.6	0	22.4
59 MPH	0	65.0	0	69.3	0	59.9	0	64.2	0	76.5	0	54.1
64 MPH	0	92.1	0	90.4	0	94.2	0	92.7	0	93.8	0	91.8
69 MPH	0	99.0	0	99.4	0	98.5	0	98.9	0	98.8	0	99.0
74 MPH	0	99.7	0	99.4	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	160	0	89	0	71	0	84	0	43	0	41
AVERAGE SPEED	0	58.39	0	58.24	0	58.59	0	57.80	0	57.79	0	57.80
DIRECTION SB												
NUMBER OF VEHICLES	0	143	0	77	0	66	0	95	0	38	0	57
AVERAGE SPEED	0	58.50	0	57.90	0	59.21	0	57.18	0	55.63	0	58.18

TABLE 8 SPEED DATA

STATION RI-35 HIGHWAY I-74 LOCATION 1.55 miles west of SR 267

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION
DATE 9-11-78
TIME 12:06-1:05 EB
10:54-12:00 WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	265	0	135	0	130	0	172	0	56	0	116
AVE. SPEED (MPH)	0	58.75	0	57.83	0	59.71	0	58.14	0	58.14	0	58.14
STANDARD DEVIATION	0	4.862	0	4.798	0	4.758	0	5.176	0	4.538	0	5.475
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	1.2	0	0	0	1.7
44 MPH	0	.8	0	1.5	0	0	0	1.2	0	0	0	1.7
49 MPH	0	1.5	0	3.0	0	0	0	6.4	0	5.4	0	6.9
54 MPH	0	16.6	0	19.3	0	13.8	0	18.6	0	17.9	0	19.0
59 MPH	0	57.7	0	65.2	0	50.0	0	57.0	0	64.3	0	53.4
64 MPH	0	88.7	0	90.4	0	86.9	0	91.9	0	94.6	0	90.5
69 MPH	0	98.1	0	100.0	0	96.2	0	100.0	0	100.0	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION WB												
NUMBER OF VEHICLES	0	145	0	75	0	70	0	75	0	29	0	46
AVERAGE SPEED	0	59.11	0	57.84	0	60.47	0	58.27	0	57.69	0	58.63
DIRECTION EB												
NUMBER OF VEHICLES	0	120	0	60	0	60	0	97	0	27	0	70
AVERAGE SPEED	0	58.32	0	57.82	0	58.82	0	58.04	0	58.63	0	57.81

TABLE 9 SPEED DATA

STATION 4L-17 HIGHWAY US 52 LOCATION 150' east of county road 475 W

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Partly cloudy

THIS OBSERVATION
DATE 8-1-78
TIME 1:03-2:18 EB
9:48-11:23 WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 5-10-78
TIME 9:25-10:45 EB
12:35-2:05 WB

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	278	276	246	252	32	24	151	164	89	102	62	62
AVE. SPEED (MPH)	56.80	55.99	56.60	55.88	58.00	57.17	56.10	55.76	56.30	54.62	55.80	57.63
STANDARD DEVIATION	5.900	5.352	6.000	5.540	5.000	2.426	7.250	6.169	7.040	5.560	7.580	6.690
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	.4	0	.4	0	0	0	0	0	0	0	0	0
34 MPH	.4	0	.4	0	0	0	1.3	0	0	0	3.2	0
39 MPH	.7	.4	.8	.4	0	0	1.3	1.2	0	0	3.2	3.2
PERCENT 44 MPH	4.0	2.9	4.5	3.2	0	0	6.0	3.7	3.4	3.9	9.7	3.2
OF 49 MPH	8.3	8.7	8.5	9.5	6.3	0	13.9	14.0	10.1	16.7	19.4	9.7
VEHICLES 54 MPH	28.8	37.0	30.9	39.3	12.5	12.5	35.1	36.6	40.5	46.1	27.4	21.0
TRAVELING 59 MPH	71.9	80.4	72.4	80.2	68.8	83.3	74.2	75.0	78.7	81.4	67.7	64.5
AT OR 64 MPH	91.0	94.9	91.9	94.4	84.4	100.0	92.7	93.3	94.4	97.1	90.3	87.1
LESS THAN 69 MPH	98.2	97.5	98.0	97.2	100.0	100.0	98.7	98.2	97.8	100.0	100.0	95.2
74 MPH	99.6	100.0	99.6	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
DIRECTION WB												
NUMBER OF VEHICLES	146	157	131	142	15	15	69	70	43	40	26	30
AVERAGE SPEED	56.20	56.46	55.90	56.35	58.10	57.53	54.50	56.00	54.60	55.40	54.30	56.80
DIRECTION EB												
NUMBER OF VEHICLES	132	119	115	110	17	9	82	94	46	62	36	32
AVERAGE SPEED	57.40	55.37	57.30	55.27	57.80	56.56	57.50	55.57	57.90	54.11	57.00	58.41

TABLE 10 SPEED DATA

STATION 41-32 HIGHWAY US 30 LOCATION 2.9 miles west of Wanatah city limit sign

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Fair

THIS OBSERVATION
DATE 8-21-78
TIME 11:48-12:50 EB
11:01-11:41 WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 5-19-78
TIME 12:13-1:09 PM EB
11:07-12:04 WB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	180	249	131	149	49	100	248	195	47	66	221	129
AVE. SPEED (MPH)	57.50	58.67	57.40	58.78	57.50	58.51	58.50	57.49	57.30	56.32	58.80	58.09
STANDARD DEVIATION	4.790	4.799	4.510	4.654	5.540	5.026	4.530	4.101	4.130	4.301	4.580	3.877
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	.4	0	0	0	.5	0
44 MPH	.6	.8	.8	0	0	2.0	1.2	0	0	0	1.4	0
49 MPH	2.8	2.8	.8	2.0	8.2	4.0	2.8	3.6	4.3	7.6	2.5	1.6
54 MPH	27.8	18.1	27.5	16.1	28.6	21.0	16.9	22.1	23.4	30.3	15.4	17.8
59 MPH	69.4	59.0	71.8	59.7	63.3	58.0	55.2	66.2	68.1	71.2	52.2	63.6
64 MPH	92.2	91.2	92.4	89.3	91.8	94.0	91.9	96.4	97.9	97.0	90.6	96.1
69 MPH	97.8	98.0	98.5	98.7	95.9	97.0	100.0	100.0	100.0	100.0	100.0	100.0
74 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	94	132	68	77	26	55	121	92	24	30	97	62
AVERAGE SPEED	57.60	59.02	57.70	58.92	57.50	59.16	59.30	57.87	56.80	56.40	59.90	58.58
DIRECTION WB												
NUMBER OF VEHICLES	86	117	63	72	23	45	127	103	23	36	104	67
AVERAGE SPEED	57.30	58.27	57.20	58.62	57.50	57.71	57.80	57.15	57.80	56.25	57.80	57.63

TABLE 11 SPEED DATA

STATION 4L-20 HIGHWAY US 421 LOCATION 1 mile north of SR 2

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Partly cloudy, warm

THIS OBSERVATION
DATE 8-3-78
TIME 10:07-11:21 AM NB
12:26-1:33 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 7-19-77
TIME 10:19-11:33 AM NB
12:12-1:25 PM SB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	266	254	188	212	78	42	174	187	55	68	119	119
AVE. SPEED (MPH)	56.70	58.07	56.30	58.22	57.80	57.36	53.50	57.20	55.90	56.00	52.50	57.88
STANDARD DEVIATION	6.239	5.998	6.319	6.298	5.939	4.154	6.339	6.811	6.603	5.556	5.927	7.369
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	.6	0	0	0	.8	0
39 MPH	1.5	.4	1.1	.5	2.6	0	2.3	1.6	0	0	3.4	2.5
PERCENT 44 MPH	3.4	1.2	3.7	1.4	2.6	0	6.9	5.9	7.3	0	6.7	9.2
OF 49 MPH	9.8	7.5	11.7	8.0	5.1	4.8	23.6	10.7	14.6	8.3	27.7	11.8
VEHICLES 54 MPH	35.0	22.4	38.3	23.1	26.9	19.0	55.2	34.2	41.8	50.0	61.3	25.2
TRAVELING 59 MPH	69.2	62.2	70.7	60.8	65.4	69.0	82.2	59.9	69.1	70.6	88.2	53.8
AT OR 64 MPH	90.6	90.6	91.0	90.1	89.7	92.9	96.0	85.0	89.1	91.2	99.2	81.5
LESS THAN 69 MPH	97.4	97.6	98.4	97.2	94.9	100.0	100.0	98.4	100.0	100.0	100.0	97.5
74 MPH	100.0	99.2	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	99.6	100.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	99.6	100.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	99.6	100.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	138	141	100	117	38	24	92	80	32	30	60	50
AVERAGE SPEED	57.20	57.16	56.70	57.02	58.50	57.83	52.60	53.15	55.20	53.17	51.30	53.14
DIRECTION SB												
NUMBER OF VEHICLES	128	113	88	95	40	18	82	107	23	38	59	69
AVERAGE SPEED	56.20	59.22	55.80	59.69	57.20	56.72	54.60	60.22	56.90	58.24	53.60	61.32

TABLE 12 SPEED DATA

STATION 41-21 HIGHWAY US 31 LOCATION 2.8 miles south of US 431 north of Carmel*

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION
DATE 8-25-78
TIME 11:46-12:33 NB
10:48-11:34 SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 7-26-72
TIME 10:15-10:53 AM SB
11:08-11:50 AM NB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	290	294	290	247	0	47	140	137	67	71	73	66
AVE. SPEED (MPH)	58.00	57.59	58.00	57.66	0	57.19	56.80	57.23	57.00	57.82	56.60	56.61
STANDARD DEVIATION	4.377	4.856	4.377	4.952	0	4.342	5.457	4.887	5.120	5.044	5.778	4.670
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	.7	0	0	0	1.4	0
PERCENT 44 MPH	0	.7	0	.8	0	0	2.9	0	1.5	0	4.1	0
OF 49 MPH	3.1	3.4	3.1	3.6	0	2.1	7.1	8.0	6.0	7.0	8.2	9.1
VEHICLES 54 MPH	20.0	24.8	20.0	23.5	0	31.9	27.9	26.3	25.4	22.5	30.1	30.3
TRAVELING 59 MPH	67.2	70.1	67.2	70.0	0	70.2	69.3	73.0	73.1	67.6	65.8	78.8
AT OR 64 MPH	91.4	91.8	91.4	91.1	0	95.7	92.9	92.7	91.0	91.5	94.5	93.9
LESS THAN 69 MPH	99.3	98.3	99.3	98.0	0	100.0	99.3	98.5	100.0	98.6	98.6	98.5
74 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION SB												
NUMBER OF VEHICLES	138	146	138	118	0	28	72	70	34	33	38	37
AVERAGE SPEED	58.50	57.35	58.50	57.43	0	57.00	57.70	56.44	57.50	57.91	57.90	55.14
DIRECTION NB												
NUMBER OF VEHICLES	152	148	152	129	0	19	68	67	33	33	35	29
AVERAGE SPEED	57.60	57.82	57.60	57.88	0	57.47	55.80	58.06	56.50	57.74	55.20	58.48

*Speed study station moved to this location due to construction at regular location.

TABLE 13 SPEED DATA

STATION 4L-6 HIGHWAY US 40 LOCATION 1.75 miles west of Brazil city limit sign

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION
DATE 9-8-78
TIME 1:20-2:10 EB
11:17-12:25 WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL INDIANA				NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	290	0	279	0	11	0	146	0	95	0	51
AVE. SPEED (MPH)	0	56.30	0	56.28	0	56.91	0	54.34	0	54.94	0	53.24
STANDARD DEVIATION	0	5.644	0	5.702	0	4.036	0	6.497	0	5.863	0	5.652
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.3	0	.4	0	0	0	.7	0	1.1	0	0
44 MPH	0	2.1	0	2.2	0	0	0	6.2	0	4.2	0	9.8
49 MPH	0	11.0	0	11.5	0	0	0	18.5	0	16.8	0	21.6
54 MPH	0	35.9	0	36.2	0	27.3	0	51.4	0	48.4	0	56.9
59 MPH	0	73.4	0	73.5	0	72.7	0	84.2	0	82.1	0	88.2
64 MPH	0	93.4	0	93.2	0	100.0	0	96.6	0	94.7	0	100.0
69 MPH	0	97.9	0	97.8	0	100.0	0	97.9	0	96.3	0	100.0
74 MPH	0	99.3	0	99.3	0	100.0	0	98.6	0	97.9	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	99.3	0	98.9	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION WB												
NUMBER OF VEHICLES	0	142	0	137	0	5	0	71	0	45	0	26
AVERAGE SPEED	0	56.23	0	56.25	0	55.60	0	55.25	0	55.93	0	54.00
DIRECTION EB												
NUMBER OF VEHICLES	0	148	0	142	0	6	0	75	0	50	0	25
AVERAGE SPEED	0	56.37	0	56.30	0	58.00	0	53.48	0	54.00	0	52.44

TABLE 14 SPEED DATA

STATION 4L-7 HIGHWAY US 40 LOCATION 5.35 miles east of US 231

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION
DATE 9-29-78
TIME 10:42-1:23 EB
1:34-4:00 WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	245	0	224	0	21	0	186	0	101	0	85
AVE. SPEED (MPH)	0	56.74	0	56.71	0	57.05	0	55.03	0	55.70	0	54.24
STANDARD DEVIATION	0	5.814	0	5.967	0	3.918	0	6.385	0	6.070	0	6.688
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	.5	0	0	0	1.2
34 MPH	0	0	0	0	0	0	0	1.1	0	0	0	2.4
39 MPH	0	0	0	0	0	0	0	2.7	0	2.0	0	3.5
44 MPH	0	3.3	0	3.6	0	0	0	4.8	0	4.0	0	5.9
49 MPH	0	9.4	0	9.8	0	4.8	0	14.0	0	13.9	0	14.1
54 MPH	0	32.7	0	33.0	0	28.6	0	41.9	0	42.6	0	41.2
59 MPH	0	70.2	0	70.5	0	66.7	0	79.6	0	73.3	0	87.1
64 MPH	0	92.7	0	92.4	0	95.2	0	94.6	0	94.1	0	95.3
69 MPH	0	98.0	0	97.8	0	100.0	0	98.9	0	99.0	0	98.8
74 MPH	0	99.2	0	99.1	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	115	0	107	0	8	0	97	0	45	0	52
AVERAGE SPEED	0	57.18	0	57.11	0	58.13	0	54.19	0	54.94	0	53.52
DIRECTION WB												
NUMBER OF VEHICLES	0	130	0	117	0	13	0	89	0	56	0	33
AVERAGE SPEED	0	56.35	0	56.35	0	56.38	0	55.96	0	56.30	0	55.36

TABLE 15 SPEED DATA

STATION 4L-15 HIGHWAY US 40 LOCATION 1.35 miles west of Dublin city limit

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Cloudy

THIS OBSERVATION
DATE 8-17-78
TIME 12:45-2:58

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	248	0	222	0	26	0	177	0	113	0	64
AVE. SPEED (MPH)	0	54.55	0	54.45	0	55.42	0	52.90	0	54.01	0	50.95
STANDARD DEVIATION	0	6.383	0	6.520	0	5.085	0	7.131	0	7.555	0	5.873
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.4	0	.5	0	0	0	2.3	0	2.7	0	1.6
39 MPH	0	2.4	0	2.7	0	0	0	2.8	0	3.5	0	1.6
44 MPH	0	6.5	0	6.8	0	3.8	0	8.5	0	6.2	0	12.5
49 MPH	0	16.5	0	17.6	0	7.7	0	33.3	0	27.4	0	43.8
54 MPH	0	50.4	0	51.4	0	42.3	0	60.5	0	50.4	0	78.1
59 MPH	0	80.6	0	80.2	0	84.6	0	82.5	0	77.9	0	90.6
64 MPH	0	94.8	0	94.6	0	96.2	0	96.6	0	94.7	0	100.0
69 MPH	0	99.2	0	99.1	0	100.0	0	98.9	0	98.2	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	98.9	0	98.2	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION WB												
NUMBER OF VEHICLES	0	130	0	117	0	13	0	83	0	52	0	31
AVERAGE SPEED	0	54.32	0	54.16	0	55.69	0	52.75	0	53.46	0	51.55
DIRECTION EB												
NUMBER OF VEHICLES	0	118	0	105	0	13	0	94	0	61	0	33
AVERAGE SPEED	0	54.81	0	54.76	0	55.15	0	53.04	0	54.43	0	50.39

TABLE 16 SPEED DATA

STATION 4L-22 HIGHWAY US 31 LOCATION 2.8 miles south of SR 26

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Fair

THIS OBSERVATION
DATE 8-15-78
TIME 8:23-9:25 PM NB
9:30-10:45 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	298	0	298	0	0	0	137	0	69	0	68
AVE. SPEED (MPH)	0	57.60	0	57.60	0	0	0	56.39	0	55.23	0	57.56
STANDARD DEVIATION	0	5.086	0	5.086	0	0	0	5.576	0	5.864	0	5.044
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	1.5	0	2.9	0	0
44 MPH	0	.3	0	.3	0	0	0	2.9	0	4.3	0	1.5
49 MPH	0	4.0	0	4.0	0	0	0	9.5	0	14.5	0	4.4
54 MPH	0	25.8	0	25.8	0	0	0	32.1	0	39.1	0	25.0
59 MPH	0	70.1	0	70.1	0	0	0	70.8	0	76.8	0	64.7
64 MPH	0	90.9	0	90.9	0	0	0	95.6	0	95.7	0	95.6
69 MPH	0	97.3	0	97.3	0	0	0	99.3	0	100.0	0	98.5
74 MPH	0	99.3	0	99.3	0	0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.7	0	99.7	0	0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	161	0	161	0	0	0	63	0	35	0	27
AVERAGE SPEED	0	58.01	0	58.01	0	0	0	56.67	0	56.33	0	57.11
DIRECTION SB												
NUMBER OF VEHICLES	0	137	0	137	0	0	0	74	0	33	0	41
AVERAGE SPEED	0	57.12	0	57.12	0	0	0	56.15	0	54.03	0	57.85

TABLE 17 SPEED DATA

STATION 2L-18 HIGHWAY US 34 LOCATION 2.5 miles east of I69

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION
DATE 8-14-78
TIME 10:49-12:36 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 6-8-78
TIME 11:00 AM - 1:03 PM

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	283	305	257	242	26	63	146	150	79	74	67	76
AVE. SPEED (MPH)	57.60	56.60	57.50	56.59	58.10	56.65	55.30	54.56	56.10	54.55	54.30	54.57
STANDARD DEVIATION	6.080	5.085	6.110	5.206	5.810	4.629	6.360	4.931	6.410	4.714	6.200	5.165
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	.7	.7	0	1.4	1.5	0
PERCENT 44 MPH	2.1	.3	2.3	.4	0	0	6.2	2.0	5.1	2.7	7.4	1.3
OF 49 MPH	7.1	7.2	7.4	7.4	3.8	6.3	15.8	13.3	12.7	12.2	19.4	14.5
VEHICLES 54 MPH	27.9	33.4	27.6	34.3	30.8	30.2	43.2	49.3	38.0	48.6	49.3	50.0
TRAVELING 59 MPH	67.1	74.4	67.7	75.6	61.5	69.8	73.3	86.0	70.9	87.8	76.1	84.2
AT OR 64 MPH	88.0	93.8	88.3	92.6	84.6	98.4	93.2	97.3	89.9	98.6	97.0	96.1
LESS THAN 69 MPH	96.5	98.4	96.1	97.9	100.0	100.0	99.3	100.0	98.7	100.0	100.0	100.0
74 MPH	99.3	100.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	129	148	120	120	9	28	84	73	44	35	40	38
AVERAGE SPEED	58.40	57.08	58.30	57.17	58.90	56.68	56.20	55.23	57.70	54.94	54.70	55.50
DIRECTION WB												
NUMBER OF VEHICLES	154	157	137	122	17	35	62	77	35	39	27	38
AVERAGE SPEED	56.90	56.15	56.80	56.01	57.70	56.63	54.00	53.92	54.20	54.21	53.70	53.63

TABLE 18 SPEED DATA

STATION 2L-54 HIGHWAY US 231 LOCATION 1.1 mile south of SR 234

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Partly Cloudy

THIS OBSERVATION
DATE 8-18-78
TIME 10:18-11:52 AM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 5-11-78
TIME 10:00 AM - 12:50 PM

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	241	253	216	208	25	45	196	192	86	93	110	99
AVE. SPEED (MPH)	55.70	57.00	55.60	56.79	56.30	57.93	55.80	56.51	56.20	56.03	55.50	56.95
STANDARD DEVIATION	5.820	5.644	5.810	5.538	6.040	6.088	6.480	6.346	7.200	6.852	5.880	5.832
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	.8	0	.9	0	0	0	0	1.0	0	2.2	0	0
PERCENT 44 MPH	5.0	1.6	5.1	1.4	4.0	2.2	4.6	4.7	3.5	6.5	5.4	3.0
OF 49 MPH	10.8	6.3	11.6	7.2	4.0	2.2	14.8	11.5	16.3	11.8	13.6	11.1
VEHICLES 54 MPH	38.6	31.2	38.0	31.3	44.0	31.1	41.3	33.3	40.7	43.0	41.8	24.2
TRAVELING 59 MPH	78.8	73.9	79.2	75.5	76.0	66.7	74.5	68.8	70.9	73.1	77.3	64.6
AT OR 64 MPH	94.6	91.3	95.4	92.8	88.0	84.4	92.3	89.6	87.2	86.0	96.4	92.9
LESS THAN 69 MPH	98.8	97.6	98.6	93.1	100.0	95.6	98.0	97.9	96.5	97.8	99.1	98.0
74 MPH	100.0	99.2	100.0	99.5	100.0	97.8	98.5	100.0	97.7	100.0	99.1	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	110	122	102	102	8	20	102	89	43	40	59	49
AVERAGE SPEED	56.00	58.66	55.90	58.18	57.40	61.15	55.70	57.58	57.00	57.57	54.30	57.59
DIRECTION SB												
NUMBER OF VEHICLES	131	131	114	106	17	25	94	103	43	53	51	50
AVERAGE SPEED	55.40	55.44	55.30	55.46	55.80	55.36	55.80	55.57	55.30	54.87	56.30	56.32

TABLE 19 SPEED DATA

STATION 2L-79 HIGHWAY SR 25 LOCATION .7 miles south of Americus

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Fair

THIS OBSERVATION
DATE 9-7-78
TIME 9:14-12:15 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 7-22-77
TIME 9:24-11:15 AM

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	387	261	387	237	0	24	82	185	61	107	21	78
AVE. SPEED (MPH)	54.80	56.86	54.80	56.97	0	55.79	52.30	55.72	52.60	55.43	51.50	56.12
STANDARD DEVIATION	5.919	5.623	5.919	5.687	0	4.925	5.356	5.235	5.359	5.364	5.400	5.061
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	.8	0	.8	0	0	0	1.2	.5	1.6	.9	0	0
PERCENT 44 MPH	2.1	1.1	2.1	.8	0	4.2	8.5	2.2	6.6	2.8	14.3	1.3
OF 49 MPH	14.7	4.6	14.7	4.6	0	4.2	25.6	9.7	24.6	11.2	28.6	7.7
VEHICLES 54 MPH	50.7	33.3	50.7	32.5	0	41.7	70.7	37.3	70.5	39.3	71.4	34.6
TRAVELING 59 MPH	86.1	73.2	86.1	72.6	0	79.2	90.2	80.5	88.5	83.2	95.2	76.9
AT OR 64 MPH	94.8	92.7	94.8	92.0	0	100.0	98.8	93.5	98.4	91.6	100.0	96.2
LESS THAN 69 MPH	97.4	96.6	97.4	96.2	0	100.0	100.0	98.9	100.0	99.1	100.0	98.7
74 MPH	98.4	98.9	98.4	98.7	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	99.5	100.0	99.5	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	225	135	225	120	0	15	38	96	23	54	15	42
AVERAGE SPEED	54.50	56.10	54.50	56.27	0	54.67	52.30	56.09	52.40	55.39	52.30	57.00
DIRECTION SB												
NUMBER OF VEHICLES	162	126	162	117	0	9	44	89	38	53	6	36
AVERAGE SPEED	55.20	57.67	55.20	57.68	0	57.67	52.30	55.31	52.70	55.47	49.70	55.08

TABLE 20 SPEED DATA

STATION 2L-91 HIGHWAY SR 43 LOCATION 2 miles south of Chalmers

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Partly cloudy

THIS OBSERVATION
DATE 8-4-78
TIME 8:54-11:18 AM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 8-18-77
TIME 8:15 PM - 12:15 AM

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	289	266	258	231	31	35	143	170	75	92	68	78
AVE. SPEED (MPH)	57.00	56.89	56.90	56.74	58.30	57.86	55.10	55.45	55.10	55.37	55.20	55.55
STANDARD DEVIATION	6.185	5.428	6.220	5.556	5.831	4.440	6.292	5.157	6.756	5.574	5.786	4.651
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	.4	0	.4	0	0	0	0	0	0	0	0	0
34 MPH	.4	0	.4	0	0	0	0	0	0	0	0	0
39 MPH	1.0	.4	1.2	.4	0	0	0	0	0	0	0	0
44 MPH	2.8	1.5	3.1	1.3	0	2.9	2.1	2.9	2.7	3.3	1.5	2.6
49 MPH	8.0	7.1	8.1	6.9	6.4	8.6	16.8	10.6	20.0	10.9	13.2	10.3
54 MPH	29.4	29.7	29.5	32.5	29.0	11.4	46.2	38.2	45.3	39.1	47.1	37.2
59 MPH	69.9	72.6	70.5	73.2	64.5	68.6	76.2	84.1	76.0	80.4	76.5	88.5
64 MPH	91.3	94.4	92.3	93.9	83.9	97.1	94.4	96.5	93.3	95.7	95.6	97.4
69 MPH	96.9	98.5	96.9	98.3	96.8	100.0	97.2	97.6	96.0	96.7	98.5	98.7
74 MPH	98.6	99.2	98.4	99.1	100.0	100.0	99.3	100.0	98.7	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	150	132	132	113	18	19	69	83	36	45	33	38
AVERAGE SPEED	56.60	55.66	56.50	55.24	57.20	58.16	55.10	54.08	54.20	53.69	56.10	54.55
DIRECTION SB												
NUMBER OF VEHICLES	139	134	126	118	13	16	74	87	39	47	35	40
AVERAGE SPEED	57.40	58.10	57.20	58.18	59.70	57.50	55.20	56.76	55.90	56.98	54.30	56.50

TABLE 21 SPEED DATA

STATION 2L-26 HIGHWAY SR 64 LOCATION 1.75 miles west of US 41

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION
DATE 8-24-78
TIME 10:10 -12:18

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	250	0	144	0	106	0	195	0	88	0	107
AVE. SPEED (MPH)	0	57.04	0	57.01	0	57.08	0	56.62	0	55.91	0	57.21
STANDARD DEVIATION	0	5.167	0	4.922	0	5.507	0	5.982	0	5.638	0	6.216
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.4	0	0	0	.9	0	.5	0	0	0	.9
PERCENT 44 MPH	0	.8	0	.7	0	.9	0	2.6	0	2.3	0	2.8
OF 49 MPH	0	4.8	0	3.5	0	6.6	0	11.3	0	13.6	0	9.3
VEHICLES 54 MPH	0	28.4	0	27.8	0	29.2	0	35.4	0	38.6	0	32.7
TRAVELING 59 MPH	0	72.8	0	74.3	0	70.8	0	66.2	0	75.0	0	58.9
AT OR 64 MPH	0	91.6	0	93.1	0	89.6	0	91.3	0	94.3	0	88.8
LESS THAN 69 MPH	0	98.0	0	97.9	0	98.1	0	99.5	0	100.0	0	99.1
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	130	0	68	0	62	0	90	0	41	0	49
AVERAGE SPEED	0	57.38	0	57.06	0	57.73	0	57.31	0	56.80	0	57.73
DIRECTION WB												
NUMBER OF VEHICLES	0	120	0	76	0	44	0	105	0	47	0	58
AVERAGE SPEED	0	56.68	0	56.97	0	56.18	0	56.03	0	55.13	0	56.76

TABLE 22 SPEED DATA

STATION 21-39 HIGHWAY SR 56 LOCATION .4 miles west of Hanover

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION
DATE 8-23-78
TIME 8:41-10:39

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	286	0	227	0	59	0	160	0	105	0	55
AVE. SPEED (MPH)	0	53.64	0	53.86	0	52.78	0	51.69	0	52.37	0	50.38
STANDARD DEVIATION	0	6.073	0	6.353	0	4.792	0	6.356	0	6.004	0	6.849
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	1.3	0	0	0	3.6
39 MPH	0	.3	0	.4	0	0	0	2.5	0	1.0	0	5.5
PERCENT 44 MPH	0	6.6	0	7.5	0	3.4	0	12.5	0	9.5	0	18.2
OF 49 MPH	0	22.4	0	21.1	0	27.1	0	29.4	0	27.6	0	32.7
VEHICLES 54 MPH	0	57.3	0	55.5	0	64.4	0	68.8	0	64.3	0	76.4
TRAVELING 59 MPH	0	86.0	0	84.6	0	91.5	0	90.6	0	88.6	0	94.5
AT OR 64 MPH	0	96.2	0	95.2	0	100.0	0	96.9	0	95.2	0	100.0
LESS THAN 69 MPH	0	98.6	0	98.2	0	100.0	0	99.4	0	99.0	0	100.0
74 MPH	0	99.3	0	99.1	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	137	0	107	0	30	0	81	0	52	0	29
AVERAGE SPEED	0	53.28	0	53.32	0	53.13	0	51.63	0	51.88	0	51.17
DIRECTION WB												
NUMBER OF VEHICLES	0	149	0	120	0	29	0	79	0	53	0	26
AVERAGE SPEED	0	53.97	0	54.35	0	52.41	0	51.75	0	52.85	0	49.50

TABLE 23 SPEED DATA

STATION 2L-56 HIGHWAY US 24 LOCATION 1 mile west of Kentland city limit sign

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Fair

THIS OBSERVATION
DATE 5-9-78
TIME 7:55-1:55 AM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	246	0	246	0	0	0	117	0	51	0	66
AVE. SPEED (MPH)	0	57.61	0	57.61	0	0	0	56.75	0	57.24	0	56.38
STANDARD DEVIATION	0	6.712	0	6.712	0	0	0	6.647	0	8.622	0	4.620
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	2.0	0	2.0	0	0	0	1.7	0	3.9	0	0
OF 49 MPH	0	8.9	0	8.9	0	0	0	12.8	0	13.7	0	12.1
VEHICLES 54 MPH	0	29.3	0	29.3	0	0	0	31.6	0	37.3	0	27.3
TRAVELING 59 MPH	0	67.1	0	67.1	0	0	0	70.9	0	72.5	0	69.7
AT OR 64 MPH	0	86.2	0	86.2	0	0	0	92.3	0	84.3	0	98.5
LESS THAN 69 MPH	0	94.3	0	94.3	0	0	0	96.6	0	92.2	0	100.0
74 MPH	0	98.4	0	98.4	0	0	0	97.4	0	94.1	0	100.0
79 MPH	0	100.0	0	100.0	0	0	0	99.1	0	98.0	0	100.0
84 MPH	0	100.0	0	100.0	0	0	0	99.1	0	98.0	0	100.0
89 MPH	0	100.0	0	100.0	0	0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	115	0	115	0	0	0	65	0	24	0	41
AVERAGE SPEED	0	57.34	0	57.34	0	0	0	56.45	0	55.88	0	56.78
DIRECTION WB												
NUMBER OF VEHICLES	0	131	0	131	0	0	0	52	0	27	0	25
AVERAGE SPEED	0	57.85	0	57.85	0	0	0	57.13	0	58.44	0	55.72

TABLE 24 SPEED DATA

STATION 21-57 HIGHWAY SR 3 LOCATION 2.85 miles south of US 6

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION
DATE 8-10-78
TIME 8:40-11:50 AM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	267	0	228	0	39	0	166	0	99	0	67
AVE. SPEED (MPH)	0	55.52	0	55.59	0	55.15	0	54.40	0	54.57	0	54.16
STANDARD DEVIATION	0	4.877	0	5.022	0	3.957	0	4.407	0	4.691	0	3.972
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.4	0	.4	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	1.1	0	1.3	0	0	0	3.6	0	2.0	0	6.0
OF 49 MPH	0	7.5	0	7.5	0	7.7	0	11.4	0	12.1	0	10.4
VEHICLES 54 MPH	0	41.9	0	41.2	0	46.2	0	48.8	0	53.5	0	41.8
TRAVELING 59 MPH	0	83.1	0	82.9	0	84.6	0	89.8	0	85.9	0	95.5
AT OR 64 MPH	0	95.1	0	94.3	0	100.0	0	98.2	0	97.0	0	100.0
LESS THAN 69 MPH	0	98.5	0	98.2	0	100.0	0	100.0	0	100.0	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	136	0	107	0	29	0	80	0	53	0	27
AVERAGE SPEED	0	55.02	0	54.78	0	55.93	0	54.34	0	54.43	0	54.15
DIRECTION SB												
NUMBER OF VEHICLES	0	131	0	121	0	10	0	86	0	46	0	40
AVERAGE SPEED	0	56.05	0	56.31	0	52.90	0	54.47	0	54.72	0	54.17

TABLE 25 SPEED DATA

STATION UI-6 HIGHWAY I65 LOCATION Just east of White River

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION
DATE 8-8-78
TIME 10:50-11:23 AM EB
11:31-12:00 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 5-31-78
TIME 2:03-2:35 PM EB
2:45-3:16 PM WB

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	275	325	229	260	46	65	161	183	80	82	81	101
AVE. SPEED (MPH)	58.10	58.88	58.00	58.57	58.50	60.14	56.90	56.88	57.00	56.78	56.80	56.96
STANDARD DEVIATION	5.000	4.480	5.070	4.461	4.670	4.366	5.060	4.847	4.960	5.140	5.190	4.619
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	.6	.5	0	1.2	1.2	0
PERCENT 44 MPH	.4	0	.4	0	0	0	2.5	1.1	0	2.4	4.9	0
OF 49 MPH	3.6	1.8	4.4	1.9	0	1.5	6.2	7.1	3.8	6.1	8.6	7.9
VEHICLES 54 MPH	22.1	14.2	22.3	15.4	21.7	9.2	24.8	29.5	31.3	28.0	18.5	30.7
TRAVELING 59 MPH	61.5	58.2	62.9	60.4	54.3	49.2	70.8	69.9	68.8	67.1	72.8	72.3
AT OR 64 MPH	90.6	89.5	90.4	90.4	91.3	86.2	95.0	96.2	92.5	95.1	97.5	97.0
LESS THAN 69 MPH	97.8	97.5	97.8	97.7	97.8	96.9	99.4	100.0	98.8	100.0	100.0	100.0
74 MPH	99.6	100.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	143	157	114	131	29	26	76	108	38	48	38	60
AVERAGE SPEED	57.80	58.54	57.70	58.24	58.40	60.08	56.00	56.32	56.30	56.12	55.70	56.43
DIRECTION WB												
NUMBER OF VEHICLES	132	168	115	129	17	39	85	75	42	34	43	41
AVERAGE SPEED	58.40	59.20	58.40	58.91	58.70	60.18	57.70	57.68	57.60	57.62	57.90	57.73

TABLE 26 SPEED DATA

STATION UI-1 HIGHWAY I94 LOCATION See Note

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Cloudy

THIS OBSERVATION
DATE 8-7-78
TIME 10:29-11:09 AM EB
11:20-11:54 AM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE 7-20-77
TIME 10:47-11:17 AM WB
11:46-12:14 PM EB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	264	142	131	96	133	46	159	311	69	58	90	253
AVE. SPEED (MPH)	57.20	57.64	56.50	57.80	57.90	57.30	56.80	57.07	56.40	55.69	57.10	57.39
STANDARD DEVIATION	4.846	3.851	5.107	3.460	4.484	4.584	4.608	4.595	5.443	4.795	3.855	4.498
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	.4	0	2.8	0	0	0	0	.3	0	0	0	.4
PERCENT 44 MPH	1.9	.7	3.0	0	.8	2.2	1.3	1.6	1.5	1.7	1.1	1.6
OF 49 MPH	5.7	1.4	7.6	0	3.8	4.3	8.8	7.1	14.5	13.8	4.4	5.5
VEHICLES 54 MPH	25.8	17.6	32.1	14.6	19.5	23.9	25.8	22.8	31.9	37.9	21.1	19.4
TRAVELING 59 MPH	67.4	70.4	74.1	71.9	60.9	67.4	77.4	69.1	72.5	77.6	81.1	67.2
AT OR 64 MPH	95.8	96.5	96.2	96.9	95.5	95.7	96.9	97.1	95.7	96.6	97.8	97.2
LESS THAN 69 MPH	99.6	99.3	99.2	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
74 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	133	83	52	53	81	30	78	156	25	34	53	122
AVERAGE SPEED	57.50	57.94	57.10	58.34	57.80	57.23	57.10	57.37	56.60	56.12	57.30	57.71
DIRECTION WB												
NUMBER OF VEHICLES	131	59	79	43	52	16	81	155	44	24	37	131
AVERAGE SPEED	56.90	57.22	56.10	57.14	58.20	57.44	56.50	56.78	56.30	55.08	56.70	57.09

Note - East Bound I94 first bridge east of Burr interchange
West Bound moved due to construction I94 .7 miles west of Grant interchange

TABLE 27 SPEED DATA

STATION UI-7 HIGHWAY I-70 LOCATION 1.5 miles east of Keystone

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Partly cloudy

THIS OBSERVATION
DATE 8-8-78
TIME 2:19-3:02 PM EB
3:10-3:42 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	251	0	224	0	27	0	203	0	98	0	105
AVE. SPEED (MPH)	0	55.50	0	55.45	0	55.96	0	54.95	0	55.14	0	54.77
STANDARD DEVIATION	0	4.161	0	4.127	0	4.493	0	5.364	0	5.089	0	5.627
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	1.0	0	0	0	1.9
39 MPH	0	0	0	0	0	0	0	1.5	0	0	0	2.9
PERCENT 44 MPH	0	.4	0	.4	0	0	0	3.0	0	1.0	0	4.8
OF 49 MPH	0	7.6	0	7.6	0	7.4	0	11.8	0	14.3	0	9.5
VEHICLES 54 MPH	0	37.5	0	36.6	0	44.4	0	42.9	0	44.9	0	41.0
TRAVELING 59 MPH	0	84.5	0	84.8	0	81.5	0	85.2	0	80.6	0	89.5
AT OR 64 MPH	0	98.4	0	99.1	0	92.6	0	96.6	0	96.9	0	96.2
LESS THAN 69 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	117	0	107	0	10	0	104	0	50	0	54
AVERAGE SPEED	0	54.53	0	54.57	0	54.10	0	53.31	0	53.88	0	52.78
DIRECTION WB												
NUMBER OF VEHICLES	0	134	0	117	0	17	0	99	0	43	0	51
AVERAGE SPEED	0	56.35	0	56.25	0	57.06	0	56.68	0	56.46	0	56.88

TABLE 28 SPEED DATA

STATION UI-8 HIGHWAY I-265 LOCATION 5.6 miles southwest of I-65

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION
DATE 8-23-78
TIME 1:49-2:25 NB
12:55-1:45 SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	290	0	235	0	55	0	171	0	97	0	74
AVE. SPEED (MPH)	0	59.18	0	59.79	0	56.56	0	57.91	0	58.05	0	57.72
STANDARD DEVIATION	0	6.781	0	6.918	0	5.493	0	5.031	0	4.381	0	5.799
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.7	0	.9	0	0	0	.6	0	0	0	1.4
OF 49 MPH	0	3.4	0	2.1	0	9.1	0	4.7	0	3.1	0	6.8
VEHICLES 54 MPH	0	21.0	0	17.4	0	36.4	0	21.6	0	19.6	0	24.3
TRAVELING 59 MPH	0	60.0	0	57.0	0	72.7	0	64.3	0	66.0	0	62.2
AT OR 64 MPH	0	81.7	0	80.0	0	89.1	0	91.8	0	92.8	0	90.5
LESS THAN 69 MPH	0	93.1	0	91.9	0	98.2	0	98.8	0	100.0	0	97.3
74 MPH	0	96.6	0	95.7	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.0	0	98.7	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.7	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	99.7	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	139	0	116	0	23	0	76	0	36	0	40
AVERAGE SPEED	0	59.63	0	60.29	0	56.30	0	58.14	0	58.97	0	57.40
DIRECTION SB												
NUMBER OF VEHICLES	0	151	0	119	0	32	0	95	0	61	0	34
AVERAGE SPEED	0	58.75	0	59.29	0	56.75	0	57.72	0	57.51	0	58.09

TABLE 29 SPEED DATA

STATION RIALL HIGHWAY 4 lane rural LOCATION See Individual Stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE July-September 1978
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE April-June 1978
TIME _____

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	2111	0	1182	0	929	0	1498	0	505	0	993
AVE. SPEED (MPH)	0	59.21	0	58.55	0	60.05	0	59.00	0	58.21	0	59.40
STANDARD DEVIATION	0	4.531	0	4.462	0	4.480	0	4.868	0	4.747	0	4.883
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	.1	0	0	0	.1
39 MPH	0	0	0	0	0	0	0	.3	0	0	0	.4
44 MPH	0	.2	0	.3	0	.1	0	.5	0	0	0	.7
49 MPH	0	1.2	0	1.8	0	.4	0	3.1	0	3.0	0	3.1
54 MPH	0	12.8	0	15.9	0	8.9	0	15.5	0	21.0	0	12.7
59 MPH	0	54.6	0	60.5	0	47.0	0	54.7	0	65.5	0	49.2
64 MPH	0	88.7	0	90.9	0	85.9	0	87.9	0	90.7	0	86.4
69 MPH	0	97.8	0	98.9	0	96.4	0	98.7	0	98.2	0	99.0
74 MPH	0	99.5	0	99.6	0	99.7	0	99.8	0	99.5	0	99.9
79 MPH	0	100.0	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 30 SPEED DATA

STATION 4LALL HIGHWAY 4 lane rural LOCATION See Individual Stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE July-September 1978
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE April-June 1978
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	2154	0	1383	0	271	0	1329	0	685	0	644
AVE. SPEED (MPH)	0	56.95	0	56.87	0	57.51	0	55.79	0	55.42	0	56.20
STANDARD DEVIATION	0	5.617	0	5.752	0	4.537	0	6.218	0	6.145	0	6.274
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	.1	0	0	0	.2
34 MPH	0	.0	0	.1	0	0	0	.5	0	.4	0	.5
39 MPH	0	.4	0	.5	0	0	0	1.4	0	1.3	0	1.4
PERCENT 44 MPH	0	2.1	0	2.3	0	1.1	0	4.1	0	3.2	0	5.0
OF 49 MPH	0	7.8	0	8.4	0	3.7	0	14.0	0	15.2	0	12.7
VEHICLES 54 MPH	0	30.8	0	31.7	0	24.7	0	38.1	0	42.3	0	33.7
TRAVELING 59 MPH	0	70.9	0	71.3	0	67.9	0	73.6	0	75.3	0	71.3
AT OR 64 MPH	0	92.5	0	92.1	0	95.2	0	93.8	0	94.5	0	92.9
LESS THAN 69 MPH	0	98.0	0	97.8	0	98.9	0	98.8	0	99.0	0	98.6
74 MPH	0	99.6	0	99.6	0	100.0	0	99.7	0	99.4	0	100.0
79 MPH	0	99.9	0	99.9	0	100.0	0	99.9	0	99.9	0	100.0
84 MPH	0	100.0	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 31 SPEED DATA

STATION 2LALL HIGHWAY 2 lane rural LOCATION See Individual Stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE July-September 1978
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE April-June 1978
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	2134	0	1763	0	371	0	1335	0	709	0	626
AVE. SPEED (MPH)	0	56.35	0	56.38	0	56.22	0	55.24	0	55.03	0	55.49
STANDARD DEVIATION	0	5.708	0	5.793	0	5.292	0	5.856	0	5.992	0	5.693
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	.1	0	0	0	.3
39 MPH	0	.2	0	.2	0	.3	0	.7	0	.7	0	.6
44 MPH	0	1.9	0	2.0	0	1.6	0	4.0	0	4.2	0	3.8
49 MPH	0	8.8	0	8.6	0	9.4	0	13.6	0	14.4	0	12.6
54 MPH	0	35.9	0	35.8	0	36.1	0	42.6	0	46.3	0	38.5
59 MPH	0	75.6	0	75.7	0	75.2	0	79.3	0	81.4	0	77.0
64 MPH	0	92.8	0	92.4	0	94.6	0	94.3	0	93.2	0	95.5
69 MPH	0	97.6	0	97.3	0	98.9	0	98.8	0	98.4	0	99.2
74 MPH	0	99.4	0	99.3	0	99.7	0	99.8	0	99.6	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	99.9	0	99.9	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	99.9	0	99.9	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 32 SPEED DATA

STATION UIALL HIGHWAY Urban LOCATION See Individual Stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE July-September 1978
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)
DATE April-June 1978
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	1008	0	815	0	193	0	868	0	335	0	533
AVE. SPEED (MPH)	0	57.95	0	57.97	0	57.86	0	56.70	0	56.43	0	56.84
STANDARD DEVIATION	0	5.315	0	5.383	0	5.032	0	5.021	0	4.974	0	5.049
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	.2	0	0	0	.4
39 MPH	0	0	0	0	0	0	0	.6	0	.3	0	.8
44 MPH	0	.4	0	.4	0	.5	0	1.6	0	1.2	0	1.9
49 MPH	0	3.7	0	3.3	0	5.2	0	7.7	0	9.0	0	6.9
54 MPH	0	22.4	0	21.7	0	25.4	0	28.7	0	32.2	0	26.5
59 MPH	0	67.0	0	67.5	0	64.8	0	72.1	0	72.5	0	71.9
64 MPH	0	90.5	0	90.6	0	90.2	0	95.7	0	95.2	0	96.1
69 MPH	0	97.1	0	96.8	0	98.4	0	99.8	0	100.0	0	99.6
74 MPH	0	99.0	0	98.8	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.7	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 33 SPEED DATA

STATION ALL HIGHWAY Indiana System LOCATION See Individual Stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE July-September 1978
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE April-June 1978
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	7407	0	5643	0	1764	0	5030	0	2234	0	2796
AVE. SPEED (MPH)	0	57.56	0	57.23	0	58.61	0	56.76	0	56.08	0	57.30
STANDARD DEVIATION	0	5.438	0	5.529	0	4.990	0	5.749	0	5.762	0	5.677
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	.0	0	0	0	.0
34 MPH	0	.0	0	.0	0	0	0	.2	0	.1	0	.3
39 MPH	0	.2	0	.2	0	.1	0	.7	0	.7	0	.8
44 MPH	0	1.3	0	1.5	0	.6	0	2.6	0	2.5	0	2.6
49 MPH	0	5.6	0	6.3	0	3.3	0	9.5	0	11.2	0	8.2
54 MPH	0	26.0	0	28.2	0	18.9	0	31.0	0	37.2	0	25.9
59 MPH	0	67.1	0	69.9	0	58.1	0	69.2	0	74.8	0	64.8
64 MPH	0	91.2	0	91.7	0	89.6	0	92.5	0	93.4	0	91.8
69 MPH	0	97.7	0	97.7	0	97.6	0	98.9	0	98.3	0	99.1
74 MPH	0	99.5	0	99.4	0	99.8	0	99.8	0	99.6	0	100.0
79 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	99.9	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

Table 34

Monitoring of Speed
(Statistical Summary)

[X] Quarterly Report--Calendar Quarter Ending September 30, 1978

or

[ ] Annual Report--Year Ending _____

STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	4	1876	5.0	57.4	56.9	61.5	67	24	5
Interstate Rural	849	8	3609	14.2	59.1	58.5	63.3	80	36	8
Multi-lane, Divided	657	8	3483	23.8	56.5	56.2	61.4	59	22	5
Multi-lane, Undivided		(Included in multi-lane, divided classification)								
2-Lane, Rural	8030	8	3469	23.0	55.9	55.4	60.7	53	18	5
State Total	9754	28	12437	66.0	57.2	56.8	61.9	65	25	6

TABLE 35

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-6 LOCATION 7.5 miles N. of S.R. 160 on I-65

NUMBER OF SESSIONS 1 DATES 8-22-78 VEHICLES MEASURED 449

AVERAGE SPEED (MPH) 59.5 STANDARD DEVIATION 4.4

MEDIAN SPEED (MPH) 58.7 85TH PERCENTILE SPEED (MPH) 63.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 84 60 MPH 35 65 MPH 9

TABLE 36

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-21 LOCATION 3.4 miles North of S.R. 18 on I-64*

NUMBER OF SESSIONS 1 DATES 8-14-78 VEHICLES MEASURED 472

AVERAGE SPEED (MPH) 59.8 STANDARD DEVIATION 4.5

MEDIAN SPEED (MPH) 59.2 85TH PERCENTILE SPEED (MPH) 63.9

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 84 60 MPH 43 65 MPH 10

*Speed Study Station moved due to construction at regular location.

TABLE 37

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-12 LOCATION .1 mile west of mile marker 109 on I-74

NUMBER OF SESSIONS 1 DATES 8-31-78 VEHICLES MEASURED 437

AVERAGE SPEED (MPH) 59.6 STANDARD DEVIATION 4.6

MEDIAN SPEED (MPH) 58.8 85TH PERCENTILE SPEED (MPH) 63.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 83 60 MPH 36 65 MPH 9

TABLE 38

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-34 LOCATION 2.5 miles south of 1st bridge south of S.R. 39 on I-65

NUMBER OF SESSIONS 1 DATES 9-11-78 VEHICLES MEASURED 456

AVERAGE SPEED (MPH) 59.6 STANDARD DEVIATION 4.4

MEDIAN SPEED (MPH) 59.0 85TH PERCENTILE SPEED (MPH) 63.3

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 85 60 MPH 39 65 MPH 8

TABLE 39

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-7 LOCATION 9.7 miles south of U.S. 50 on I-65

NUMBER OF SESSIONS 1 DATES 8-28-78 VEHICLES MEASURED 442

AVERAGE SPEED (MPH) 60.0 STANDARD DEVIATION 4.6

MEDIAN SPEED (MPH) 59.2 85TH PERCENTILE SPEED (MPH) 64.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 85 60 MPH 42 65 MPH 11

TABLE 40

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-16 LOCATION 13.9 miles west of U.S. 27 on I-70

NUMBER OF SESSIONS 1 DATES 8-16-78 VEHICLES MEASURED 434

AVERAGE SPEED (MPH) 57.8 STANDARD DEVIATION 4.6

MEDIAN SPEED (MPH) 57.2 85TH PERCENTILE SPEED (MPH) 61.9

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 71 60 MPH 28 65 MPH 4

Note: Station operated during nighttime hours.

TABLE 41

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-24 LOCATION 2.4 miles North of S.R. 4 on I-69

NUMBER OF SESSIONS 1 DATES 8-9-78 VEHICLES MEASURED 482

AVERAGE SPEED (MPH) 58.1 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 57.3 85TH PERCENTILE SPEED (MPH) 62.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 73 60 MPH 29 65 MPH 6

TABLE 42

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-35 LOCATION 1.55 miles west of S.R. 267 on I-74

NUMBER OF SESSIONS 1 DATES 9-11-78 VEHICLES MEASURED 437

AVERAGE SPEED (MPH) 58.5 STANDARD DEVIATION 5.0

MEDIAN SPEED (MPH) 58.1 85TH PERCENTILE SPEED (MPH) 63.0

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 75 60 MPH 32 65 MPH 7

TABLE 43

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-17 LOCATION 150' east of Co. Rd. 475W on US 52

NUMBER OF SESSIONS 1 DATES 8-1-78 VEHICLES MEASURED 440

AVERAGE SPEED (MPH) 55.9 STANDARD DEVIATION 5.7

MEDIAN SPEED (MPH) 55.6 85TH PERCENTILE SPEED (MPH) 60.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 54 60 MPH 15 65 MPH 5

TABLE 44

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-32 LOCATION 1 mile north of S.R. 2 on US 30

NUMBER OF SESSIONS 1 DATES 8-3-78 VEHICLES MEASURED 444

AVERAGE SPEED (MPH) 58.2 STANDARD DEVIATION 4.5

MEDIAN SPEED (MPH) 57.7 85TH PERCENTILE SPEED (MPH) 62.0

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 74 60 MPH 28 65 MPH 5

TABLE 45

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-20 LOCATION 2.9 miles west of Wanatah city limit sign on US 421

NUMBER OF SESSIONS 1 DATES 8-21-78 VEHICLES MEASURED 441

AVERAGE SPEED (MPH) 57.7 STANDARD DEVIATION 6.4

MEDIAN SPEED (MPH) 57.6 85TH PERCENTILE SPEED (MPH) 62.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 67 60 MPH 31 65 MPH 10

TABLE 46

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-21 LOCATION See Note

NUMBER OF SESSIONS 1 DATES 8-25-78 VEHICLES MEASURED 431

AVERAGE SPEED (MPH) 57.5 STANDARD DEVIATION 4.9

MEDIAN SPEED (MPH) 56.8 85TH PERCENTILE SPEED (MPH) 61.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 69 60 MPH 22 65 MPH 6

Note: Regular location under construction site moved to US 31 2.8 miles south of US 431 North of Carmel

TABLE 47

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-6 LOCATION 1.75 miles west of Brazil city limit sign on US 40

NUMBER OF SESSIONS 1 DATES 9-8-78 VEHICLES MEASURED 436

AVERAGE SPEED (MPH) 55.6 STANDARD DEVIATION 6.0

MEDIAN SPEED (MPH) 55.2 85TH PERCENTILE SPEED (MPH) 60.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 51 60 MPH 19 65 MPH 4

TABLE 48

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-7 LOCATION 5.35 miles east of US 231 on US 40

NUMBER OF SESSIONS 1 DATES 9-29-78 VEHICLES MEASURED 431

AVERAGE SPEED (MPH) 56.0 STANDARD DEVIATION 6.1

MEDIAN SPEED (MPH) 55.3 85TH PERCENTILE SPEED (MPH) 61.3

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 52 60 MPH 22 65 MPH 5

TABLE 49

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-15 LOCATION 1.35 miles west of Dublin city limit sign on US 40

NUMBER OF SESSIONS 1 DATES 8-17-78 VEHICLES MEASURED 425

AVERAGE SPEED (MPH) 53.9 STANDARD DEVIATION 6.7

MEDIAN SPEED (MPH) 53.3 85TH PERCENTILE SPEED (MPH) 60.3

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 39 60 MPH 16 65 MPH 3

TABLE 50

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-22 LOCATION 2.8 miles south of SR 26 on US 31

NUMBER OF SESSIONS 1 DATES 8-15-78 VEHICLES MEASURED 435

AVERAGE SPEED (MPH) 57.2 STANDARD DEVIATION 5.3

MEDIAN SPEED (MPH) 56.7 85TH PERCENTILE SPEED (MPH) 61.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 65 60 MPH 22 65 MPH 6

Note: Station operated during nighttime hours.

TABLE 51

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-18 LOCATION 2.5 miles east of I-69 on US 34

NUMBER OF SESSIONS 1 DATES 8-14-78 VEHICLES MEASURED 455

AVERAGE SPEED (MPH) 55.9 STANDARD DEVIATION 5.1

MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 60.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 53 60 MPH 16 65 MPH 4

TABLE 52

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-54 LOCATION 1.1 miles south of SR 234 on US 31

NUMBER OF SESSIONS 1 DATES 8-18-78 VEHICLES MEASURED 445

AVERAGE SPEED (MPH) 56.3 STANDARD DEVIATION 6.0

MEDIAN SPEED (MPH) 56.1 85TH PERCENTILE SPEED (MPH) 62.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 60 60 MPH 23 65 MPH 8

TABLE 53

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-79 LOCATION .7 miles south of Americus on SR 25

NUMBER OF SESSIONS 1 DATES 9-7-78 VEHICLES MEASURED 446

AVERAGE SPEED (MPH) 56.4 STANDARD DEVIATION 5.5

MEDIAN SPEED (MPH) 55.6 85TH PERCENTILE SPEED (MPH) 60.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 56 60 MPH 19 65 MPH 5

TABLE 54

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-91 LOCATION 2 miles south of Chalmers on SR 43

NUMBER OF SESSIONS 1 DATES 8-4-78 VEHICLES MEASURED 436

AVERAGE SPEED (MPH) 56.3 STANDARD DEVIATION 5.4

MEDIAN SPEED (MPH) 56.0 85TH PERCENTILE SPEED (MPH) 60.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 59 60 MPH 17 65 MPH 4

TABLE 55

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-26 LOCATION 1.75 miles west of US 41 on SR

NUMBER OF SESSIONS 1 DATES 8-24-78 VEHICLES MEASURED 445

AVERAGE SPEED (MPH) 56.2 STANDARD DEVIATION 5.5

MEDIAN SPEED (MPH) 56.2 85TH PERCENTILE SPEED (MPH) 61.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 61 60 MPH 25 65 MPH 6

TABLE 56

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-39 LOCATION .4 miles west of Hanover on SR 56

NUMBER OF SESSIONS 1 DATES 8-23-78 VEHICLES MEASURED 446

AVERAGE SPEED (MPH) 52.9 STANDARD DEVIATION 6.2

MEDIAN SPEED (MPH) 52.5 85TH PERCENTILE SPEED (MPH) 57.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 30 60 MPH 9 65 MPH 3

TABLE 57

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-56 LOCATION 1 mile west of Kentland city limit sign on US 24

NUMBER OF SESSIONS 1 DATES 5-9-78 VEHICLES MEASURED 363

AVERAGE SPEED (MPH) 57.3 STANDARD DEVIATION 6.7

MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 62.9

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 63 60 MPH 26 65 MPH 10

Note: Station operated during nighttime hours.

TABLE 58

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-57 LOCATION 2.85 miles south of US 6 on SR 3

NUMBER OF SESSIONS 1 DATES 8-10-78 VEHICLES MEASURED 433

AVERAGE SPEED (MPH) 55.1 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 54.6 85TH PERCENTILE SPEED (MPH) 58.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 47 60 MPH 10 65 MPH 3

TABLE 59

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-6 LOCATION Just east of White River on I-65

NUMBER OF SESSIONS 1 DATES 8-8-78 VEHICLES MEASURED 508

AVERAGE SPEED (MPH) 58.2 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 57.7 85TH PERCENTILE SPEED (MPH) 62.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 74 60 MPH 29 65 MPH 6

TABLE 60

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-1 LOCATION See Note

NUMBER OF SESSIONS 1 DATES 8-7-78 VEHICLES MEASURED 453

AVERAGE SPEED (MPH) 57.3 STANDARD DEVIATION 4.4

MEDIAN SPEED (MPH) 57.0 85TH PERCENTILE SPEED (MPH) 61.0

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 72 60 MPH 23 65 MPH 2

Note: East bound I-94 1st bridge east of Burr interchange west bound moved due to construction I-94 .7 miles west of Grant interchange.

TABLE 61

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-7 LOCATION 1.5 miles east of Keystone on I-70

NUMBER OF SESSIONS 1 DATES 8-8-78 VEHICLES MEASURED 454

AVERAGE SPEED (MPH) 55.3 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 55.1 85TH PERCENTILE SPEED (MPH) 59.0

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 50 60 MPH 11 65 MPH 1

TABLE 62

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-8 LOCATION 5.6 miles southwest of I-65 on I-265

NUMBER OF SESSIONS 1 DATES 8-23-78 VEHICLES MEASURED 461

AVERAGE SPEED (MPH) 58.7 STANDARD DEVIATION 6.2

MEDIAN SPEED (MPH) 57.6 85TH PERCENTILE SPEED (MPH) 63.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 72 60 MPH 32 65 MPH 12